Amendments to the Claims

The below listing of claims replaces all prior versions and listings of claims in this application.

1.   (Currently Amended) A method comprising:

transmitting a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

generating service identification data relating service components to services on that channel;

repeatedly transmitting the service identification data on the channel; and

repeatedly transmitting information relating to the timing of transmissions of the service identification data,

wherein the method is a method of providing service selection for a mobile terminal.

2.   (Previously Presented) The method as claimed in claim 1, in which the generating service identification data relating service components to services on that channel includes generating data identifying the media format of each service component.

3.   (Previously Presented) The method as claimed in claim 1, in which the channel is at a given frequency.

4.   (Previously Presented) The method as claimed in claim 1, wherein the service components for a given service are transmitted in a time-sliced manner at a given frequency;

wherein the generating service identification data relating service components to services on that channel comprises generating service identification data relating service components at a given frequency to services and identifying the media format of each service component; and

wherein repeatedly transmitting the service identification data on the channel comprises repeatedly transmitting at the frequency carrying the corresponding service components.

5.   (Previously Presented) The method as claimed in claim 1, comprising transmitting the information relating to the timing of transmissions of the service identification data in a network different than that used for the transmitting the service identification data on the channel.

6.   (Previously Presented) The method as claimed in claim 5, wherein transmitting the information relating to the timing of transmissions of the service identification data is performed in response to an inquiry from a mobile terminal.

7.   (Previously Presented) The method as claimed in claim 6, wherein transmitting the information relating to the timing of transmissions of the service identification data is performed in response to an inquiry transmitted from the mobile terminal using the different network.

8.   (Currently Amended) The method as claimed in claim 1, comprising using the service identification data to generate a service guide for one or more services.

9.   (Previously Presented) The method as claimed in claim 1, further comprising:
        receiving the service identification data at a mobile terminal; and
        at the mobile terminal, hierarchically arranging the services including the service components from the received service identification data.

10. (Currently Amended) <u>An apparatus</u> A system comprising:

a transmitter configured to transmit a plurality of services, each of the services comprising one or more service components, at least some of the service components having different media formats, the service components for a given service being arranged to be transmitted in a time-sliced manner on given channel<u>, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different</u>;

a generator configured to generate service identification data relating service components on the channel to services;

a transmitter configured to repeatedly transmit the service identification data on the channel; and

a transmitter configured to repeatedly transmit information relating to the timing of transmissions of the service identification data; and

wherein the system is a system for providing service selection for a mobile terminal.

11. (Currently Amended) The <u>apparatus</u> system as claimed in claim 10, in which the channel is on a given frequency.

12. (Currently Amended) The <u>apparatus</u> system as claimed in claim 10, in which the generator includes a generator configured to generate data identifying the media format of each service component.

13. (Currently Amended) The <u>apparatus</u> system as claimed in claim 10, wherein the service components for a given service are arranged to be transmitted in a time-sliced manner at a given frequency;

wherein the transmitter configured to transmit service identification data comprises a transmitter configured to transmit service identification data relating service components at a given frequency to services and the media format of each service component; and

wherein the transmitter configured to repeatedly transmit the service identification data comprises a transmitter configured to repeatedly transmit the service identification data at the frequency carrying the corresponding service components.

14.   (Currently Amended) The apparatus system as claimed in claims 10, comprising a transmitter configured to transmit the information relating to the timing of transmissions of the service identification data in a network different than that used for the service identification data information transmission.

15.   (Currently Amended) The apparatus system as claimed in claim 14, wherein the information relating to the timing of transmission of the service identification data is transmitted in response to an inquiry from the mobile terminal.

16.   (Currently Amended) The apparatus system as claimed in claim 15, wherein the inquiry from the mobile terminal uses the different network.

17.   (Currently Amended) The apparatus system as claimed in claim 10, comprising a mobile terminal arranged to use the service identification data to generate a service guide for one or more services.

18.   (Currently Amended) The apparatus system as claimed in claim 10, in which the mobile terminal is arranged to receive the service identification data, and to use it to arrange hierarchically the services including the service components.

19.   (Currently Amended) An apparatus comprising:
        a receiver configured to receive at least one repeated transmission of information relating to the timing of transmissions of service identification data;
        a tuner configured to use the information relating to the timing of transmissions of the service identification data to tune to an appropriate channel at an appropriate time to decode

service identification data, the service identification data relating service components on the channel to services; and

a processor configured to subsequently obtain, from service components transmitted in a time-sliced manner on the channel, required service components of a service, <u>wherein the service components are arranged to be received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and</u> wherein the apparatus is a mobile terminal.

20.   (Previously Presented) The apparatus as claimed in claim 19, in which the service identification data relates service components on the channel to services.

21.   (Previously Presented) The apparatus as claimed in claim 19, in which the channel is at a given frequency.

22.   (Previously Presented) The apparatus as claimed in claim 19, wherein the
tuner configured to use the information relating to the timing of transmissions of the service identification data to tune comprises a tuner configured to use the information relating to the timing of transmissions of the service identification data to tune to an appropriate frequency at an appropriate time to decode service identification data, the service identification data relating service components at the frequency to services and identify the media format of each service component; and

wherein the processor configured to subsequently maintain the required service components of a service comprises a processor configured to obtain the service components from service components transmitted in a time-sliced manner at the given frequency.

23.   (Currently Amended) A method comprising:
receiving at least one repeated transmission of information relating to the timing of transmissions of service identification data;
using the information relating to the timing of transmissions of the service identification data to tune to an appropriate channel at an appropriate time to decode service

identification data, the service identification data relating service components at a frequency to services; and

subsequently obtaining, from service components transmitted in a time-sliced manner on the channel, required service components of a service, <u>wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different, and</u> ~~wherein~~ the method is a method of operating a mobile terminal.

24.   (Previously Presented) The method as claimed in claim 23, in which the service identification data relates service components on the channel to services.

25.   (Previously Presented) The method as claimed in claim 23, in which the channel is at a given frequency.

26.   (Previously Presented) The method as claimed in claim 23,

wherein using the information relating to the timing of transmissions of the service identification data comprises using the information relating to the timing of transmissions of the service identification data to tune to an appropriate frequency at an appropriate time to decode service identification data, the service identification data relating service components at the frequency to services and identifying the media format of each service component; and

subsequently obtaining required service components of a service comprises obtaining the required service components of a service from service components transmitted in a time-sliced manner at the given frequency.

27.   (Previously Presented) The method as claimed in claim 26, comprising using the service identification data to generate a service guide for one or more services.

28.   (Currently Amended) A method comprising:

receiving service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets<u>, the service</u>

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components for a given service being transmitted in a time-sliced manner on a given channel, wherein the service components are received in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

hierarchically arranging services including the appropriate service components; and

displaying the different service sets, services or service components, wherein the method is a method of providing service selection data on a display.

29.   (Previously Presented) The method as claimed in claim 23, in which hierarchically arranging services comprises using data items describing the various service components for catergorizing received content items.

30.   (Currently Amended) The A method as claimed in claim 29, in which the content items are ~~categorised~~ categorized according to content type.

31.   (Canceled)

32.   (Previously Presented) A method comprising:

providing service selection data using the method of claim 23; and

following selection of a displayed service set, service or service component, tuning to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

33.   (Currently Amended) An apparatus comprising:

a receiver configured to receive service identification data relating service components on a given channel to services and relating services on the given channel to service sets, the service components for a given service arranged to be received in a time-sliced manner on the given channel, wherein the service components are arranged to be transmitted in bursts with an interval between end of a first burst and start of a second burst, and content of consecutive bursts is the same or at least partly different;

a controller configured to order hierarchically services including the appropriate service components; and

a display configured to display the different service sets, services or service components, wherein the apparatus comprises a mobile terminal.

34.   (Previously Presented) The apparatus as claimed in claim 33, in which the channel is at a given frequency.

35.   (Previously Presented) The apparatus as claimed in claim 33, comprising a receiver configured to receive service identification data relating service components at a given frequency to services and relating services at the given frequency to service sets.

36.   (Previously Presented) The apparatus as claimed in claim 33, in which the controller is configured to use data items describing the various service components to categorize received content items.

37.   (Previously Presented) The apparatus as claimed in claim 36, in which the content items are categorized according to content type.

38.   (Canceled)

39.   (Previously Presented) The apparatus as claimed in claim 33, arranged to be responsive to selection of a displayed service set, service or service component, to tune to the correct channel at the appropriate time when the selected service set, service or service component is being transmitted.

40. - 42. (Cancelled)

43. (New) The method as claimed in claim 1, wherein the method is a computer-implemented method and at least one step is performed by a computer.

44. (New) The method as claimed in claim 23, wherein the method is a computer-implemented method and at least one step is performed by a computer.

45. (New) The method as claimed in claim 28, wherein the method is a computer-implemented method and at least one step is performed by a computer.

46. (New) A computer readable medium encoded with instructions that, when executed by a computer, perform the steps of claim 1.